

## CLAIMS

What is claimed is:

- 1 1. A method for organizing data pertaining to audiovisual content, the  
2 method comprising:
  - 3 defining at least one descriptive list for a descriptive portion of the  
4 data pertaining to audiovisual content;
  - 5 defining at least one accessing list for an accessing portion of the  
6 data pertaining to audiovisual content; and
  - 7 generating a matrix that connects the at least one accessing list to the  
8 at least one descriptive list.
- 1 2. The method of claim 1 wherein the data pertaining to audiovisual  
2 content includes a plurality of descriptions of the audiovisual content.
- 1 3. The method of claim 1 further comprising utilizing the matrix to  
2 locate a data item within the data pertaining to audiovisual content.
- 1 4. The method of claim 1 wherein each entry in the at least one  
2 descriptive list is unique.
- 1 5. The method of claim 1 wherein each entry in the at least one  
2 accessing list is unique.

1       6.     The method of claim 1 further comprising ordering the at least one  
2     descriptive list according to a particular sequence.

1       7.     The method of claim 1 further comprising utilizing a usage bit for  
2     each data item within the data pertaining to audiovisual content to indicate  
3     whether the data item belongs to the descriptive portion or to the accessing  
4     portion.

1       8.     The method of claim 1 wherein generating the matrix further  
2     comprises:

3              creating a plurality of rows in the matrix, the plurality of rows  
4     corresponding to entries in the at least one descriptive list;  
5              creating a plurality of columns in the matrix, the plurality of  
6     columns corresponding to entries in the at least one accessing list; and  
7              building the matrix in one pass.

1       9.     The method of claim 8 wherein building the matrix in one pass  
2     includes building each of the plurality of columns by indicating, for every  
3     entry in the at least one descriptive list, whether said entry is referred to in  
4     a corresponding accessing entry.

1       10.    The method of claim 8 wherein building the matrix in one pass  
2     includes building each of the plurality of rows by indicating, for every

3 entry in the at least one accessing list, whether said entry points a  
4 corresponding descriptive entry.

1 11. The method of claim 1 wherein the at least one descriptive list  
2 contains a plurality of descriptive lists and the at least one accessing list  
3 contains a plurality of accessing lists.

1 12. The method of claim 11 further comprising:  
2 amalgamating the plurality of description lists and the plurality of  
3 accessing lists into a collection; and  
4 building the matrix for the collection in one pass.

1 13. The method of claim 11 further comprising:  
2 defining a descriptive hierarchical structure for the plurality of  
3 descriptive lists;  
4 defining an accessing hierarchical structure for the plurality of  
5 accessing lists; and  
6 generating a set of matrixes to connect the plurality of accessing lists  
7 to the plurality of descriptive lists based upon the descriptive hierarchical  
8 structure and the accessing hierarchical structure.

1 14. The method of claim 13 further comprising:

2           storing a rank identifier for each data item within the data  
3   pertaining to audiovisual content; and  
4           utilizing the rank identifier when generating the set of matrixes.

1   15.   A system for organizing data pertaining to audiovisual content, the  
2   system comprising:

3           means for defining at least one descriptive list for a descriptive  
4           portion of the data pertaining to audiovisual content;  
5           means for defining at least one accessing list for an accessing portion  
6           of the data pertaining to audiovisual content; and  
7           means for generating a matrix that connects the at least one  
8           accessing list to the at least one descriptive list.

1   16.   A computer readable medium comprising instructions, which when  
2   executed on a processor, perform a method for organizing data pertaining  
3   to audiovisual content, the method comprising:

4           defining at least one descriptive list for a descriptive portion of the  
5           data pertaining to audiovisual content;  
6           defining at least one accessing list for an accessing portion of the  
7           data pertaining to audiovisual content; and  
8           generating a matrix that connects the at least one accessing list to the at  
9           least one descriptive list.

1    17. An apparatus for organizing data pertaining to audiovisual content,  
2    the apparatus comprising:  
3         a data repository to store the data pertaining to audiovisual content,  
4         the data pertaining to audiovisual content including a  
5           descriptive portion and an accessing portion; and  
6         an organizing module to generate a matrix that connects the  
7           accessing portion to the descriptive portion.

1    18. The apparatus of claim 17 wherein the data pertaining to  
2    audiovisual content includes a plurality of descriptions of the audiovisual  
3    content.

1    19. The apparatus of claim 17 further comprising a search module to  
2    utilize the matrix to locate a data item within the data pertaining to  
3    audiovisual content.

1    20. The apparatus of claim 17 wherein each entry in the at least one  
2    descriptive list is unique.

1    21. The apparatus of claim 17 wherein each entry in the at least one  
2    accessing list is unique.

1       22.     The apparatus of claim 17 wherein the organizing module is capable  
2     of ordering the at least one descriptive list according to a particular  
3     sequence.

1       23.     The apparatus of claim 17 wherein the organizing module is capable  
2     of utilizing a usage bit for each data item within the data pertaining to  
3     audiovisual content to indicate whether the data item belongs to the  
4     descriptive portion or to the accessing portion.

1       24.     The apparatus of claim 17 wherein the organizing module is capable  
2     of generating the matrix by  
3                      creating a plurality of rows in the matrix, the plurality of  
4                      rows corresponding to entries in the at least one descriptive list,  
5                      creating a plurality of columns in the matrix, the plurality of  
6                      columns corresponding to entries in the at least one accessing list,  
7                      and  
8                      building the matrix in one pass.

1       25.     The apparatus of claim 24 wherein the organizing module is capable  
2     of building the matrix in one pass by indicating, for every entry in the at  
3     least one descriptive list, whether said entry is referred to in a  
4     corresponding accessing entry.

1       26.   The apparatus of claim 24 wherein the organizing module is capable  
2       of building the matrix in one pass by indicating, for every entry in the at  
3       least one accessing list, whether said entry points a corresponding  
4       descriptive entry.

1       27.   The apparatus of claim 17 wherein the at least one descriptive list  
2       contains a plurality of descriptive lists and the at least one accessing list  
3       contains a plurality of accessing lists.

1       28.   The apparatus of claim 24 wherein the organizing module is capable  
2       of amalgamating the plurality of description lists and the  
3       plurality of accessing lists into a collection, and  
4       building the matrix for the collection in one pass.

1       29.   The apparatus of claim 27 wherein the organizing module is capable  
2       of  
3           defining a descriptive hierarchical structure for the plurality  
4           of descriptive lists,  
5           defining an accessing hierarchical structure for the plurality  
6           of accessing lists, and  
7           generating a set of matrixes to connect the plurality of  
8           accessing lists to the plurality of descriptive lists based upon the

9           descriptive hierarchical structure and the accessing hierarchical  
10          structure.

1    30.   The apparatus of claim 29 wherein the organizing module is capable  
2    of  
3           storing a rank identifier for each data item within the data  
4           pertaining to audiovisual content, and  
5           utilizing the rank identifier when generating the set of  
6    matrixes.